



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 09/231,854

Filing Date: January 14, 1999

Applicant: Michael A. Martinelli

Group Art Unit: 3737

Examiner:

Title: METHOD AND SYSTEM FOR NAVIGATING A  
CATHETER PROBE

Attorney Docket: 5074A-000032 REA

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A.  Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

- B.  Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

- C.  Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

- D.  This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- A.  Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

- B.  A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.  See the attached foreign patent office communication from a counterpart foreign application:

2.  English translations are provided:

3.  Other:

Japanese Reference JP 2765738 appears to disclose a catheter that may be positioned relative to a selected site to produce a signal to create a data set.

German Reference DE 3042343 appears to disclose a system operable to receive a signal regarding a point in space.

European Reference EP 0 581 704 has a U.S. equivalent of U.S. Patent No. 5,447,154.

France Reference No. 2417970 has a U.S. equivalent of U.S. Patent No. 4,418,422.

German Reference No. DE 10085137 has a U.S. equivalent of U.S. Patent No. 6,499,488.

An English abstract is provided for Other Document reference No. 12.

An English language abstract is provided for Other Document reference No. 48.

An English language abstract is provided for Other Documents reference No. 53.

Other Documents reference No. 62, by Sautot, entitled "Vissage Pediculaire Assiste Par Ordinateur" appears to disclose a fluoroscopic image guidance and system.

Other Documents reference No. 71 by Watanabe et al., an English translation is provided.

C.  The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.  The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A.  **37 C.F.R. § 1.97(b):** (check only one box)

1.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2.  within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3.  before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4.  before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B.  **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1.  No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
2.  See the certification below. No fee is required.

C.  **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1.  See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

- A.  each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
- B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
- C.  some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

- each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VI. PAYMENT OF FEES (check only one box)

- A.  A check in the amount of \$180.00 is enclosed for the above identified fee.
- B.  Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

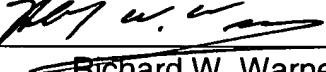
The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

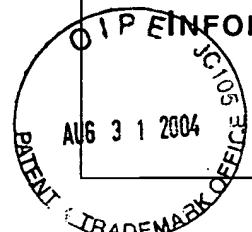
Dated: August 31 2004

By:   
Richard W. Warner  
Reg. No. 38,043

Harness, Dickey & Pierce, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

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		5074A-000032 REA	09/231,854
		APPLICANT	
		Michael A. Martinelli	
		FILING DATE	GROUP
		January 14, 1999	3737



PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Sheet 1 of 20

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		Re. 35,025	8/1995	Anderton		
2.		Re. 35,816	6/1998	Schulz		
3.		1,576,781	03/1926	Phillips		
4.		1,735,726	11/1929	Bornhardt		
5.		2,407,845	09/1946	Nemeyer		
6.		2,650,588	09/1953	Drew		
7.		2,697,433	12/1954	Sehnder		
8.		3,016,899	01/1962	Stenvall		
9.		3,017,887	01/1962	Heyer		
10.		3,061,936	11/1962	Dobbeleer		
11.		3,073,310	01/1963	Mocarski		
12.		3,294,083	12/1966	Alderson		
13.		3,367,326	02/1968	Frazier		
14.		3,439,256	04/15/1969	Kähne et al.		
15.		3,577,160	05/1971	White		
16.		3,674,014	07/04/1972	Tillander		
17.		3,702,935	11/1972	Carey et al.		
18.		3,704,707	12/1972	Halloran		
19.		3,868,565	02/25/1975	Kuipers		
20.		3,941,127	03/1976	Froning		
21.		4,037,592	07/1977	Kronner		

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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 2 of 20

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		4,052,620	10/1977	Brunnett		
23.		4,117,337	09/26/1978	Staats		
24.		4,173,228	11/06/1979	Van Steenwyk et al.		
25.		4,202,349	05/1980	Jones		
26.		4,317,078	02/23/1982	Weed et al.		
27.		4,328,813	05/1982	Ray		
28.		4,339,953	07/20/1982	Iwasaki		
29.		4,358,856	11/09/1982	Stivender et al.		
30.		4,368,536	01/1983	Pfeiler		
31.		4,403,321	09/1983	DiMarco		
32.		4,418,422	11/1983	Richter et al.		
33.		4,422,041	12/20/1983	Lienau		
34.		4,485,815	12/1984	Amplatz		
35.		4,543,959	10/01/1985	Sepponen		
36.		4,548,208	10/22/1985	Niemi		
37.		4,584,577	04/22/1986	Temple		
38.		4,621,628	11/1986	Bludermann		
39.		4,625,718	12/1986	Olerud et al.		
40.		4,642,786	02/10/1987	Hansen		
41.		4,645,343	02/1987	Stockdale et al.		

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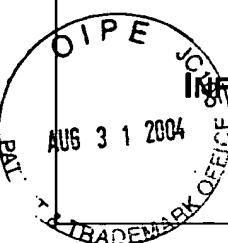
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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		4,651,732	03/24/1987	Frederick		
43.		4,653,509	03/1987	Oloff et al.		
44.		4,673,352	06/1987	Hansen		
45.		4,706,665	11/17/1987	Gouda		
46.		4,719,419	01/12/1988	Dawley		
47.		4,722,056	01/26/1988	Roberts et al.		
48.		4,722,336	02/1988	Kim et al.		
49.		4,727,565	02/23/1988	Ericson		
50.		4,737,921	04/12/1988	Goldwasser et al.		
51.		4,750,487	06/1988	Zanetti		
52.		4,771,787	09/20/1988	Wurster et al.		
53.		4,791,934	12/20/1988	Brunnett		
54.		4,793,355	12/1988	Crum et al.		
55.		4,797,907	01/1989	Anderton		
56.		4,803,976	02/1989	Frigg et al.		
57.		4,821,206	04/11/1989	Arora		
58.		4,821,731	04/18/1989	Martinelli et al.		
59.		4,845,771	07/1989	Wislocki et al.		
60.		4,849,692	07/18/1989	Blood		
61.		4,862,893	09/05/1989	Martinelli		

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ATTORNEY DOCKET NO.	SERIAL No.
5074A-000032 REA	09/231,854
APPLICANT	
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January 14, 1999	3737

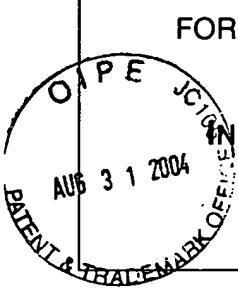
**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
62.		4,889,526	12/26/1989	Rauscher et al.		
63.		4,905,698	03/06/1990	Strohl, Jr. et al.		
64.		4,923,459	05/1990	Nambu		
65.		4,931,056	06/1990	Ghajar et al.		
66.		4,945,914	08/1990	Allen		
67.		4,951,653	08/1990	Fry et al.		
68.		5,013,317	05/1991	Cole et al.		
69.		5,027,818	07/02/1991	Bova et al.		
70.		5,030,196	07/09/1991	Inoue		
71.		5,030,222	07/1991	Calandruccio et al.		
72.		5,031,203	07/1991	Trecha		
73.		5,079,699	01/07/1992	Tuy et al.		
74.		5,094,241	03/10/1992	Allen		
75.		5,097,839	03/24/1992	Allen		
76.		5,107,839	04/28/1992	Houdek et al.		
77.		5,107,843	04/1992	Aarnio, et al.		
78.		5,109,194	04/28/1992	Cantaloube		
79.		5,119,817	06/09/1992	Allen		
80.		5,142,930	09/01/1992	Allen et al.		
81.		5,160,337	11/1992	Cosman		

Examiner:

Date Considered:

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January 14, 1999	3737

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
82.		5,178,164	01/12/1993	Allen		
83.		5,178,621	01/1993	Cook et al.		
84.		5,186,174	02/1993	Schlondorff et al.		
85.		5,187,475	02/16/1993	Wagener et al.		
86.		5,197,965	03/1993	Cherry et al.		
87.		5,211,165	05/18/1993	Dumoulin et al.		
88.		5,211,176	05/1993	Ishiguro et al.		
89.		5,212,720	05/1993	Landi et al.		
90.		5,219,351	06/1993	Teubner et al.		
91.		5,228,442	07/20/1993	Imran		
92.		5,233,990	08/1993	Barnea		
93.		5,237,996	08/24/1993	Waldman et al.		
94.		5,251,127	10/1993	Raab		
95.		5,265,610	11/30/1993	Darrow et al.		
96.		5,297,549	03/29/1994	Beatty et al.		
97.		5,305,091	04/1994	Gelbart et al.		
98.		5,305,203	04/1994	Raab		
99.		5,320,111	06/1994	Livingston		
100.		5,325,728	07/05/1994	Zimmerman et al.		
101.		5,333,168	07/1994	Fernandes et al.		

Examiner:

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
102.		5,353,800	10/11/1994	Pohndorf et al		
103.		5,385,146	01/31/1995	Goldreyer		
104.		5,385,148	01/31/1995	Lesh et al.		
105.		5,394,457	02/1995	Leibinger et al.		
106.		5,397,329	03/1995	Allen		
107.		5,399,146	03/21/1995	Nowacki et al.		
108.		5,400,384	03/1995	Fernandes et al.		
109.		5,426,683	06/1995	O'Farrell, Jr., et al.		
110.		5,426,687	06/1995	Goodall et al.		
111.		5,427,097	06/1995	Depp		
112.		5,433,198	07/18/1995	Desai		
113.		5,444,756	08/1995	Pai et al.		
114.		5,446,548	08/1995	Gerig et al.		
115.		5,447,154	09/05/1995	Cinquini et al.		
116.		5,448,610	09/1995	Yamamoto et al.		
117.		5,464,446	11/1995	Dreessen et al.		
118.		5,478,341	12/1995	Cook et al.		
119.		5,478,343	12/1995	Ritter		
120.		5,485,849	01/23/1996	Panescu et al.		
121.		5,487,391	01/30/1996	Panescu		

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## FORM HDP-1449 (Based on Form PTO-1449)

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
122.		5,487,757	01/30/1996	Truckai et al.		
123.		5,490,196	02/06/1996	Rudich et al.		
124.		5,494,034	02/27/1996	Schlondorff et al.		
125.		5,503,416	04/1996	Aoki et al.		
126.		5,515,160	05/07/1996	Schulz et al.		
127.		5,531,227	07/02/1996	Schneider		
128.		5,531,520	07/02/1996	Grimson et al.		
129.		5,546,940	08/20/1996	Panescu et al.		
130.		5,546,949	08/20/1996	Frazin et al.		
131.		5,546,951	08/20/1996	Ben-Haim		
132.		5,551,429	09/1996	Fitzpatrick et al.		
133.		5,573,533	11/12/1996	Strul		
134.		5,575,794	11/1996	Walus et al.		
135.		5,583,909	12/1996	Hanover		
136.		5,592,939	01/14/1997	Martinelli		
137.		5,595,193	01/1997	Walus et al.		
138.		5,596,228	01/1997	Anderton et al.		
139.		5,617,462	04/1997	Spratt		
140.		5,619,261	04/1997	Anderton		
141.		5,627,873	05/1997	Hanover et al.		

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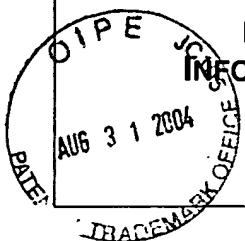
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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
142.		5,628,315	05/13/1997	Vilsmeier et al.		
143.		5,638,819	06/17/1997	Manwaring et al.		
144.		5,642,395	06/1997	Anderton et al.		
145.		5,643,268	07/01/1997	Vilsmeier et al.		
146.		5,664,001	09/1997	Tachibana et al.		
147.		5,674,296	10/07/1997	Bryan et al.		
148.		5,682,886	11/04/1997	Delp et al.		
149.		5,690,108	11/1997	Chakeres		
150.		5,695,501	12/09/1997	Carol et al.		
151.		5,702,406	12/30/1997	Vilsmeier et al.		
152.		5,715,836	02/10/1998	Kliegis et al.		
153.		5,730,130	03/1998	Fitzpatrick et al.		
154.		5,735,278	04/07/1998	Hoult et al.		
155.		5,741,214	04/21/1998	Ouchi et al.		
156.		5,742,394	04/1998	Hansen		
157.		5,744,953	04/28/1998	Hansen		
158.		5,748,767	05/1998	Raab		
159.		5,755,725	05/26/1998	Druais		
160.		5,767,669	06/16/1998	Hansen et al.		
161.		5,769,789	06/23/1998	Wang et al.		

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
162.		5,769,861	06/23/1998	Vilsmeier		
163.		5,772,594	06/1998	Barrick		
164.		5,795,294	08/18/1998	Luber et al.		
165.		5,797,849	08/1998	Vesely et al.		
166.		5,799,055	08/1998	Peshkin et al.		
167.		5,799,099	08/1998	Wang et al.		
168.		5,800,535	09/01/1998	Howard, III		
169.		5,802,719	09/1998	O'Farrell, Jr., et al.		
170.		5,807,252	9/15/1998	Hassfeld et al.		
171.		5,823,192	10/1998	Kalend et al.		
172.		5,823,958	10/20/1998	Truppe		
173.		5,828,725	10/27/1998	Levinson		
174.		5,834,759	11/10/1998	Glossop		
175.		5,836,954	11/1998	Heilbrun et al.		
176.		5,843,076	12/1/1998	Webster, Jr. et al.		
177.		5,848,967	12/15/1998	Cosman		
178.		5,865,846	02/02/1999	Bryan et al.		
179.		5,868,675	02/09/1999	Henrion et al.		
180.		5,871,455	09/1999	Ueno		
181.		5,871,487	02/16/1999	Warner et al.		

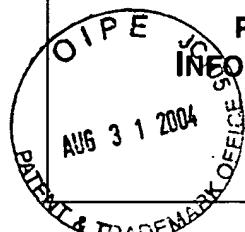
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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
182.		5,884,410	03/1999	Prinz		
183.		5,891,157	04/06/1999	Day et al.		
184.		5,904,691	05/18/1999	Barnett et al.		
185.		5,907,395	05/1999	Schultz et al.		
186.		5,921,992	07/13/1999	Costales et al.		
187.		5,923,727	07/1999	Navab		
188.		5,928,248	7/27/1999	Acker		
189.		5,938,603	8/17/1999	Ponzi		
190.		5,938,694	08/17/1999	Jaraczewski et al.		
191.		5,947,981	09/1999	Cosman		
192.		5,951,475	09/14/1999	Gueziec et al.		
193.		5,954,796	10/12/1999	Imran		
194.		5,968,047	10/10/1999	Reed		
195.		5,971,997	10/1999	Guthrie et al.		
196.		5,980,535	11/1999	Barnett et al.		
197.		5,983,126	11/09/1999	Wittkampf		
198.		5,987,960	11/1999	Messner et al.		
199.		5,999,837	12/1999	Messner et al.		
200.		5,999,840	12/1999	Grimson et al.		
201.		6,001,130	12/14/1999	Bryan et al.		

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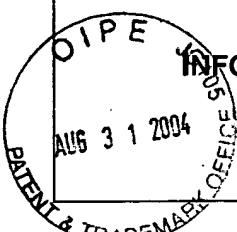
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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
202.		6,006,126	12/1999	Cosman		
203.		6,016,439	01/2000	Acker		
204.		6,050,724	04/2000	Schmitz et al.		
205.		6,059,718	05/2000	Taniguchi et al.		
206.		6,063,022	5/16/2000	Ben-Haim		
207.		6,073,043	06/2000	Schneider		
208.		6,104,944	08/15/2000	Martinelli		
209.		6,118,845	09/12/2000	Simon et al.		
210.		6,122,538	09/19/2000	Sliwa, Jr. et al.		
211.		6,131,396	10/17/2000	Duerr et al.		
212.		6,139,183	10/2000	Graumann		
213.		6,149,592	11/2000	Yanof et al.		
214.		6,156,067	12/05/2000	Bryan et al.		
215.		6,175,756	1/16/2001	Ferre et al.		
216.		6,223,067	04/24/2001	Vilsmeier		
217.		6,273,896	08/14/2001	Franck et al.		
218.		6,298,262	10/02/2001	Franck et al.		
219.		6,332,089	12/2001	Acker et al.		
220.		6,341,231	1/22/2002	Ferre et al.		
221.		6,351,659	02/26/2002	Vilsmeier		

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**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/Subclass	(If appropriate) Filing Date
222.		6,434,415	08/13/2002	Foley et al.		
223.		6,445,943	9/3/2002	Ferre et al.		
224.		6,498,944	12/24/2002	Ben-Haim et al		
225.		6,701,179	03/02/2004	Martinelli et al.		

**FOREIGN PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/Subclass	Translation Yes	No
1.		WO 01/30437 A1	05/03/2001	WIPO			
2.		WO 99/60939	12/1999	WIPO			
3.		WO 98/38908	09/11/1998	PCT			
4.		WO 94/24933	11/10/1994	PCT			
5.		WO 94/23647	10/27/1994	PCT			
6.		WO 96/11624	04/25/1996	PCT			
7.		WO 88/09151	12/01/1988	PCT		Abstract	
8.		WO 98/08554	03/1998	WIPO			
9.		WO 89/05123	06/1989	PCT			
10.		WO 94/04938	03/03/1994	PCT			
11.		WO 91/04711	04/18/1991	PCT		Abstract	
12.		WO 91/03982	04/1991	WIPO			

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#### FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/Subclass	Translation Yes	No
13.		WO 92/03090	03/05/1992	PCT			
14.		EP 0 319 844 A1	01/1988	EPO			
15.		EP 0 581 704 B1	07/27/1993	EPO		U.S. Equiv	
16.		EP 0 651 968 A1	08/1990	EPO			
17.		0350996 A1	01/1990	EPO			
18.		964149	03/1975	Canada			
19.		2417970	02/20/1979	France		U.S. Equiv	
20.		JP 2765738		Japan			X
21.		DE 3042343 A1	06/1982	Germany			X
22.		DE 3831278 A1	03/1989	Germany		U.S. Equiv	
23.		DE 4233978 C1	04/1994	Germany		U.S. Equiv	
24.		DE 10085137		Germany		U.S. Equiv	

#### OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
1.		"Prestige Cervical Disc System Surgical Technique", 12 pgs.
2.		Adams et al., "Orientation Aid for Head and Neck Surgeons," Innov. Tech. Biol. Med., Vol. 13, No. 4, 1992, pp. 409-424.
3.		Barrick et al., "Prophylactic Intramedullary Fixation of the Tibia for Stress Fracture in a Professional Athlete," Journal of Orthopaedic Trauma, Vol. 6, No. 2, pp. 241-244 (1992).

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
4.		Barrick et al., "Technical Difficulties with the Brooker-Wills Nail in Acute Fractures of the Femur," Journal of Orthopaedic Trauma, Vol. 6, No. 2, pp. 144-150 (1990).
5.		Barrick, "Distal Locking Screw Insertion Using a Cannulated Drill Bit: Technical Note," Journal of Orthopaedic Trauma, Vol. 7, No. 3, 1993, pp. 248-251.
6.		Batnitzky et al., "Three-Dimensional Computer Reconstructions of Brain Lesions from Surface Contours Provided by Computed Tomography: A Prospectus," Neurosurgery, Vol. 11, No. 1, Part 1, 1982, pp. 73-84.
7.		Bouazza-Marouf et al.; "Robotic-Assisted Internal Fixation of Femoral Fractures", IMECE., pp. 51-58 (1995)
8.		Brack et al., "Accurate X-ray Based Navigation in Computer-Assisted Orthopedic Surgery," CAR '98, pp. 716-722.
9.		Bryan, "Bryan Cervical Disc System Single Level Surgical Technique", Spinal Dynamics, 2002, pp. 1-33.
10.		Bucholz et al., "Variables affecting the accuracy of stereotactic localization using computerized tomography," Journal of Neurosurgery, Vol. 79, November 1993, pp. 667-673.
11.		Champeboux et al., "Accurate Calibration of Cameras and Range Imaging Sensors: the NPBS Method," IEEE International Conference on Robotics and Automation, Nice, France, May, 1992.
12.		Champeboux, "Utilisation de Fonctions Splines pour la Mise au Point D'un Capteur Tridimensionnel sans Contact," Quelques Applications Medicales, July 1991.
13.		Cinquin et al., "Computer Assisted Medical Interventions," IEEE Engineering in Medicine and Biology, May/June 1995, pp. 254-263.
14.		Cinquin et al., "Computer Assisted Medical Interventions," International Advanced Robotics Programme, September 1989, pp. 63-65.
15.		Clarysse et al., "A Computer-Assisted System for 3-D Frameless Localization in Stereotaxic MRI," IEEE Transactions on Medical Imaging, Vol. 10, No. 4, December 1991, pp. 523-529.
16.		Feldmar et al., "3D-2D Projective Registration of Free-Form Curves and Surfaces," Rapport de recherche (Inria Sophia Antipolis), 1994, pages 1-44.
17.		Foley et al., "Fundamentals of Interactive Computer Graphics," The Systems Programming Series, Chapter 7, July 1984, pp. 245-266.

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
18.		Foley et al., "Image-guided Intraoperative Spinal Localization," <i>Intraoperative Neuroprotection</i> , Chapter 19, 1996, pp. 325-340.
19.		Foley, "The StealthStation: Three-Dimensional Image-Interactive Guidance for the Spine Surgeon," <i>Spinal Frontiers</i> , April 1996, pp. 7-9
20.		Gildenberg et al., "Calculation of Stereotactic Coordinates from the Computed Tomographic Scan," <i>Neurosurgery</i> , Vol. 10, No. 5, May 1982, pp. 580-586.
21.		Gonzalez, "Digital Image Fundamentals," <i>Digital Image Processing</i> , Second Edition, 1987, pp. 52-54.
22.		Gottesfeld Brown et al., "Registration of Planar Film Radiographs with Computer Tomography," <i>Proceedings of MMBIA</i> , June '96, pp. 42-51.
23.		Gueziec et al., "Registration of Computed Tomography Data to a Surgical Robot Using Fluoroscopy: A Feasibility Study," <i>Computer Science/Mathematics</i> , Sept. 27, 1996, 6 pages.
24.		Hamadeh et al., "Kinematic Study of Lumbar Spine Using Functional Radiographies and 3D/2D Registration," <i>TIMC UMR 5525 - IMAG</i>
25.		Hamadeh et al., "Automated 3-Dimensional Computed Tomographic and Fluoroscopic Image Registration," <i>Computer Aided Surgery</i> (1998), 3:11-19.
26.		Hamadeh et al., "Towards Automatic Registration Between CT and X-ray Images: Cooperation Between 3D/2D Registration and 2D Edge Detection," <i>MRCAS '95</i> , pp. 39-46.
27.		Hatch, "Reference-Display System for the Integration of CT Scanning and the Operating Microscope," <i>Thayer School of Engineering</i> , October 1984, pp. 1-189.
28.		Heilbrun et al., "Preliminary experience with Brown-Roberts-Wells (BRW) computerized tomography stereotaxic guidance system," <i>Journal of Neurosurgery</i> , Vol. 59, August 1983, pp. 217-222.
29.		Henderson et al., "An Accurate and Ergonomic Method of Registration for Image-guided Neurosurgery," <i>Computerized Medical Imaging and Graphics</i> , Vol. 18, No. 4, July-August 1994, pp. 273-277.
30.		Hoerenz, "The Operating Microscope I. Optical Principles, Illumination Systems, and Support Systems," <i>Journal of Microsurgery</i> , Vol. 1, 1980, pages 364-369.
31.		Hofstetter et al., "Fluoroscopy Based Surgical Navigation - Concept and Clinical Applications," <i>Computer Assisted Radiology and Surgery</i> , 1997, pages 956-960.

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 16 of 20

<b>OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)</b>		
Ref. Desig.	Examiner's Initials	
32.		Horner et al., "A Comparison of CT-Stereotaxic Brain Biopsy Techniques," Investigative Radiology, Sep.-Oct. 1984, pp. 367-373.
33.		Hounsfield, "Computerized transverse axial scanning (tomography): Part 1. Description of system," British Journal of Radiology, Vol. 46, No. 552, December 1973, pp. 1016-1022.
34.		Jacques et al., "A Computerized Microstereotactic Method to Approach, 3-Dimensionally Reconstruct, Remove and Adjuvantly Treat Small CNS Lesions," Applied Neurophysiology, Vol. 43, 1980, pp. 176-182.
35.		Jacques et al., "Computerized three-dimensional stereotaxic removal of small central nervous system lesion in patients," J. Neurosurg., Vol. 53, December 1980, pp. 816-820.
36.		Joskowicz et al., "Computer-Aided Image-Guided Bone Fracture Surgery: Concept and Implementation," CAR '98, pp. 710-715.
37.		Kelly et al., "Computer-assisted stereotaxic laser resection of intra-axial brain neoplasms," Journal of Neurosurgery, Vol. 64, March 1986, pp. 427-439.
38.		Kelly et al., "Precision Resection of Intra-Axial CNS Lesions by CT-Based Stereotactic Craniotomy and Computer Monitored CO <sub>2</sub> Laser," Acta Neurochirurgica, Vol. 68, 1983, pp. 1-9.
39.		Laitinen et al., "An Adapter for Computed Tomography-Guided, Stereotaxis," Surg. Neurol., 1985, pp. 559-566.
40.		Laitinen, "Noninvasive multipurpose stereoadapter," Neurological Research, June 1987, pp. 137-141.
41.		Lavallee et al., "Matching 3-D Smooth Surfaces with their 2-D Projections using 3-D Distance Maps," SPIE, Vol. 1570, Geometric Methods in Computer Vision, 1991, pp. 322-336.
42.		Lavallee et al., "Computer Assisted Driving of a Needle into the Brain," Proceedings of the International Symposium CAR '89, Computer Assisted Radiology, 1989, pp. 416-420.
43.		Lavallee et al., "Computer Assisted Interventionist Imaging: The Instance of Stereotactic Brain Surgery," North-Holland MEDINFO 89, Part 1, 1989, pp. 613-617.
44.		Lavallee et al., "Computer Assisted Spine Surgery: A Technique For Accurate Transpedicular Screw Fixation Using CT Data and a 3-D Optical Localizer," TIMC, Faculte de Medecine de Grenoble.

Examiner:	Date Considered:
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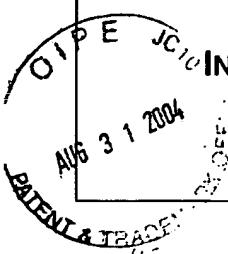
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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
45.		Lavallee et al., "Image guided operating robot: a clinical application in stereotactic neurosurgery," Proceedings of the 1992 IEEE International Conference on Robotics and Automation, May 1992, pp. 618-624.
46.		Lavallee et al., "Matching of Medical Images for Computed and Robot Assisted Surgery," IEEE EMBS, Orlando, 1991.
47.		Lavallee, "A New System for Computer Assisted Neurosurgery," IEEE Engineering in Medicine & Biology Society 11th Annual International Conference, 1989, pp. 0926-0927.
48.		Lavallee, "VI Adaption de la Methodologie a Quelques Applications Cliniques," Chapitre VI, pp. 133-148.
49.		Leksell et al., "Stereotaxis and Tomography - A Technical Note," ACTA Neurochirurgica, Vol. 52, 1980, pp.1-7.
50.		Lemieux et al., "A Patient-to-Computed-Tomography Image Registration Method Based on Digitally Reconstructed Radiographs," Med. Phys. 21 (11), November 1994, pp. 1749-1760.
51.		Levin et al., "The Brain: Integrated Three-dimensional Display of MR and PET Images," Radiology, Vol. 172, No. 3, September 1989, pp. 783-789.
52.		Mazier et al., "Computer-Assisted Interventionist Imaging: Application to the Vertebral Column Surgery," Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vol. 12, No. 1, 1990, pp. 0430-0431.
53.		Mazier et al., Chirurgie de la Colonne Vertébrale Assistée par Ordinateur: Application au Vissage Pediculaire, Innov. Tech. Biol. Med., Vol. 11, No. 5, 1990, pp. 559-566.
54.		Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain," Journal of Computer Assisted Tomography, January/February 1989, pp. 20-26.
55.		Pelizzari et al., "Interactive 3D Patient-Image Registration," Information Processing in Medical Imaging, 12th International Conference, IPMI '91, July 7-12, 136-141 (A.C.F. Colchester et al. eds. 1991).
56.		Pelizzari et al., No. 528 - "Three Dimensional Correlation of PET, CT and MRI Images," The Journal of Nuclear Medicine, Vol. 28, No. 4, April 1987, p.682.
57.		Phillips et al., "Image Guided Orthopaedic Surgery Design and Analysis," Trans Inst. MC, Vol. 17, No. 5, 1995, pp. 251-264.

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
58.		Potamianos et al., "Intra-Operative Imaging Guidance for Keyhole Surgery Methodology and Calibration," First International Symposium on Medical Robotics and Computer Assisted Surgery, September 22-24, 1994, pp. 98-104.
59.		Reinhardt et al., "CT-Guided 'Real Time' Stereotaxy," ACTA Neurochirurgica, 1989.
60.		Roberts et al., "A frameless stereotaxic integration of computerized tomographic imaging and the operating microscope," J. Neurosurg., Vol. 65, October 1986, pp. 545-549.
61.		Rosenbaum et al., "Computerized Tomography Guided Stereotaxis: A New Approach," Applied Neurophysiology, Vol. 43, No. 3-5, 1980, pp. 172-173.
62.		Sautot, "Vissage Pediculaire Assiste Par Ordinateur," September 20, 1994.
63.		Schueler et al., "Correction of Image Intensifier Distortion for Three-Dimensional X-Ray Angiography," SPIE Medical Imaging 1995, Vol. 2432, pp. 272-279.
64.		Selvik et al., "A Roentgen Stereophotogrammetric System," Acta Radiologica Diagnosis, 1983, pp. 343-352.
65.		Shelden et al., "Development of a computerized microstereotaxic method for localization and removal of minute CNS lesions under direct 3-D vision," J. Neurosurg., Vol. 52, 1980, pp. 21-27.
66.		Smith et al., "Computer Methods for Improved Diagnostic Image Display Applied to Stereotactic Neurosurgery," Automedical, Vol. 14, 1992, pp. 371-382.
67.		Smith et al., "The Neurostation™--A Highly Accurate, Minimally Invasive Solution to Frameless Stereotactic Neurosurgery," Computerized Medical Imaging and Graphics, Vol. 18, July - August 1994, pp. 247-256.
68.		The Laitinen Stereotactic System, E2-E6.
69.		Viant et al., "A Computer Assisted Orthopaedic System for Distal Locking of Intramedullary Nails," Proc. of MediMEC '95, Bristol, 1995, pp. 86-91.
70.		Watanabe et al., "Three-Dimensional Digitizer (Neuronavigator): New Equipment for Computed Tomography-Guided Stereotaxic Surgery," Surgical Neurology, Vol. 27, No. 6, June 1987, pp. 543-547.
71.		Watanabe, "Neuronavigator," Igaku-no-Ayumi, Vol. 137, No. 6, May 10, 1986, pp. 1-4.
72.		Weese et al., "An Approach to 2D/3D Registration of a Vertebra in 2D X-ray Fluoroscopies with 3D CT Images," pp. 119-128.

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January 14, 1999	3737

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
73.		Germano, "Instrumentation, Technique and Technology", Neurosurgery, Vol. 37, No. 2, August, 1995, pgs. 348-350
74.		Merloz, et al., "Computer Assisted Spine Surgery", Clinical Assisted Spine Surgery, No. 337, pgs. 86-96
75.		Hatch, et al., "Reference-Display System for the Integration of CT Scanning and the Operating Microscope", Proceedings of the Eleventh Annual Northeast Bioengineering Conference, May, 1985, pgs. 252-254

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